

## Assignment

Date \_\_\_\_\_ Period \_\_\_\_\_

**Write each as an algebraic expression.**

1) 12 less than 15

2) the sum of 3 and 9

3) twice 10

4) a number divided by 7

5) 3 cubed

6) 10 increased by 5

**Evaluate each expression.**7)  $5 + 3 - 10 - (-7)$ 8)  $(5)(6 - 5) - 4$ 9)  $(1 + (3)(6))(3)$ 10)  $(-3)^2 - (10)(-9)$ 11)  $6(1 + 1)$ 12)  $\frac{10}{2} - 2$ **Evaluate each using the values given.**13)  $(-7) - 9 - (y - x)$ ; use  $x = -4$ , and  $y = 5$ 

A) -25

B) -17

C) -23

D) -16

14)  $(z)(-8y - y)$ ; use  $y = -1$ , and  $z = -3$ 

A) -27

B) -34

C) -25

D) -33

15)  $5 - \frac{n}{6} - p$ ; use  $n = 6$ , and  $p = 8$ 

A) -4

B) 3

C) 6

D) 0

16)  $(y)(y + z) - y$ ; use  $y = -2$ , and  $z = 7$ 

A) -8

B) -18

C) -7

D) -4

**Evaluate each expression.**

17)  $(-47) - 31$

18)  $50 - 33$

19)  $47 + (-9)$

20)  $1 - (-7)$

21)  $\left(-\frac{9}{8}\right) + \frac{5}{6}$

22)  $\left(-2\frac{4}{7}\right) - \left(-\frac{4}{5}\right)$

**Find each product.**

23)  $(4)(-7)(3)$

24)  $(-2)(-3)(-10)$

25)  $(10)(-1)(2)$

26)  $(-3)(9)(-9)$

27)  $\left(-1\frac{3}{8}\right)\left(\frac{1}{8}\right)$

28)  $\left(3\frac{3}{7}\right)\left(-\frac{2}{3}\right)$

**Find each quotient.**

29)  $\frac{126}{9}$

30)  $\frac{-10}{2}$

31)  $\frac{72}{12}$

32)  $\frac{-35}{5}$

33)  $4\frac{5}{14} \div 6\frac{8}{11}$

34)  $4\frac{1}{6} \div 2$